

COMBINATION OF REFERENCES FAILS TO MEET THE LIMITATION OF CLAIM 1; AND (2) THE TEACHINGS OF EACH OF THE REFERENCES ARE INCOMPATIBLE WITH ONE ANOTHER AND ABSENT APPLICANTS' OWN TEACHING ONE OF ORDINARY SKILL IN THE WINDING ART WOULD NOT BE LED TO MAKE THE PROPOSED COMBINATION OF PRIOR ART DISCLOSURES.

THE APPLICANTS GENERALLY CONCUR WITH THE CHARACTERIZATION OF THE DISCLOSURES OF EACH OF THE REFERENCES AS SET FORTH IN THE OFFICE ACTION. HOWEVER, THE PACKAGING MACHINE OF PODVIN DOES NOT CONTEMPLATE THE PACKAGE OF WOUND COILS SUCH AS THE PACKAGE DISCLOSED IN ZUBER ET AL. AND GORDON ET AL.

ZUBER ETAL. DISCLOSES THE USE OF A PROJECTION FROM A WINDING DRUM SURFACE TO FORM AN INTERNAL PAYOUT PACKAGE SO THAT WINDINGS CROSSING THE PROJECTION ARE DEFLECTED TO ONE SIDE OR THE OTHER OF THE PROJECTION. THE PROJECTION THEREBY SERVES TO FORM A RADIAL OPENING IN THE PACKAGE FOR INTERNAL PAYOUT OF THE MATERIAL.

PODVIN RELATES TO A MACHINE FOR AUTOMATICALLY INSERTING ARTICLES INTO A CARTON AND AUTOMATICALLY CLOSING AND SEALING THE CARTON ENDS. DETAILS OF THE MACHINE INCLUDE A SUCTION MECHANISM FOR ERECTING THE CARTON IN ALIGNMENT WITH AN INFEED CONVEYOR; A RAMP FOR DIRECTING ARTICLES FROM THE INFEED CONVEYOR INTO THE CARTON; A TRANSFER MECHANISM FOR MOVING THE CARTON FROM THE LOADING STATION TO A SEALING UNIT FOR SEALING THE ENDS OF THE CARTON; AND AN ELEVATOR FOR ELEVATING THE SEALED CARTON.

GORDON ET AL. DISCLOSES PACKAGES OF WOUND FLEXIBLE MATERIAL HAVING A RADIAL HOLE AND COMPRESSES THE WINDING TO ACCOUNT FOR DISTORTIONS IN THE PACKAGE PRODUCED DURING THE WINDING PROCESS.

IT IS EVIDENT FROM A CONSIDERATION OF THEIR RESPECTIVE DISCLOSURES THAT NONE OF THE REFERENCES, TAKEN EITHER SINGLY OR IN COMBINATION, RESULTS IN APPLICANTS' CLAIMED COMBINATION OF COMPONENTS COMPRISING A MACHINE FOR INTEGRALLY WINDING AND BOXING WOUND COILS OF FILAMENTARY MATERIAL. MORE, SPECIFICALLY, ASSUMING THAT IT WERE PROPER TO COMBINE THE RESPECTIVE TEACHINGS OF THESE THREE REFERENCES, THERE WOULD BE NO COMPONENT SUCH AS: THE CLAIMED "TURRET MECHANISM MOUNTING TWO OPPOSITELY DISPOSED END FORMS AND CORRESPONDING COLLAPSIBLE MANDRELS"; AND THE CLAIMED "PAYOUT TUBE INSERTING MEANS FOR INSERTING A PAYOUT TUBE IN THE PAYOUT HOLE OF THE WOUND COIL THROUGH A PAYOUT HOLE IN THE

TOP PANEL OF THE BOX, INCLUDING THE MEANS FOR GRASPING THE FREE END OF THE WOUND COIL AND WITHDRAWING IT THROUGH THE PAYOUT TUBE" (CLAIM 1).

IT IS EVIDENT FROM A CONSIDERATION OF EACH OF THE REFERENCES THAT NONE OF THEM DISCLOSE OR SUGGEST THE STRUCTURE OF THE CLAIMED TURRET MECHANISM NOR THE CLAIMED PAYOUT TUBE INSERTING MEANS. THE OFFICE ACTION INDICATES THAT FIGURES 5-7 OF ZUBER ET AL DISCLOSE A TURRET MECHANISM; HOWEVER REFERENCE TO THE DESCRIPTION OF THOSE FIGURES IN THE PATENT INDICATES THAT THESE FIGURES SHOW RESPECTIVE CROSS-SECTIONAL VIEWS OF THE DRUM AND DO NOT SHOW OR DISCLOSE ANY STRUCTURE RESEMBLING A TURRET.

PODVIN WAS CITED FOR ITS TEACHING OF "A PACKAGING MACHINE WITH A BOXING STATION 19 INCLUDING A PLATFORM 58 AND 59 WITH A MOVABLE BACK PANEL 119, BASE PANEL 83, AND INCLINED RAMP 39 WHICH FACES THE ARTICLE TRANSFER STATION MOVABLE TOWARDS AND AWAY TO PROVIDE FOR RECEIVING THE ARTICLE." HOWEVER, IN VIEW OF THE LACK OF TEACHING OF THE TURRET AND PAYOUT TUBE INSERTING MEANS, AS DISCUSSED ABOVE, IT IS SUBMITTED THAT THE PROPOSED COMINATION FAILS TO MEET APPLICANTS' CLAIM LIMITATIONS.

GORDON ET AL. IS CITED IN THE OFFICE ACTION FOR THE DISCLOSURE OF ALLEGED INSERTING MEANS ILLUSTRATED IN FIG. 8. HOWEVER, REFERENCE TO GORDON ET AL'S DISCLOSURE REVEALS THAT FIG. 8 DISCLOSES STRUCTURE FOR STABILIZING THE PACKAGE DURING SHIPPING AND HANDLING. IT IS SUBMITTED THAT THE USE OF THE DISCLOSURE OF GORDON ET AL. IN THE MANNER SET FORTH IN THE OFFICE ACTION IS PROHIBITED BY THE MANNER IN WHICH 35 U.S.C IS INTERPRETED, I.E RELIANCE ON APPLICANTS' OWN DISCLOSURE TO COMBINE REFERENCES IS IMPROPER. MOREOVER, IN VIEW OF THE FACT THAT THE FIG. 8 STRUCTURE OF GORDON ET AL. IS UNRELATED TO THE CLAIMED INVENTION OF THE APPLICANTS', THE PROPOSED COMBINATION WOULD NOT MEET THE LIMITATIONS OF THE CLAIM.

IN VIEW OF THE FOREGOING IT IS SUBMITTED THAT THE PROPOSED COMBINATION OF THE TEACHINGS OF THE PRIOR ART IS IMPROPER AS IT; FAILS TO MEET THE LIMITATIONS OF THE APPLICANT'S CLAIM; AND IS IMPROPER AS THERE IS NO MOTIVATION IN THE PRIOR ART TO MAKE THE SUGGESTED COMBINATION ABSENT APPLICANT'S OWN TEACHING;

IN VIEW OF THE FOREGOING IT IS SUBMITTED THAT THE REJECTION OF CLAIM 1 UNDER 35 U.S.C. 103(a) SHOULD BE WITHDRAWN.

THE PRIOR ART OF RECORD , NAMELY BARNETT ET AL., WILLIAMS, WISE, BASSETT, BASS, AND GORDON (140), IS NOTED; HOWEVER, NONE OF THESE REFERENCES, TAKEN EITHER SINGLY OR IN COMBINATION, DISCLOSE OR SUGGEST APPLICANT'S CLAIMED MACHINE WINDING AND BOXING.


THE NEWLY ADDED CLAIMS

THE NEWLY ADDED CLAIMS COMPRISE INDEPENDENT CLAIM 2 AND DEPENDING CLAIMS 2-10. THESE CLAIMS ARE DIRECTED TO A MACHINE FOR BOXING WOUND COILS OF FILAMENTARY MATERIAL AND HAVING A PAYOUT HOLE EXTENDING FROM THE OUTER TO THE INNER COIL WINDING AND A COIL ARM STATION, A PACKAGING STAGE TABLE, MEANS FOR STORING PAYOUT TUBES; MEANS FOR GRABBING THE FREE END OF THE WOUND COIL AND MEANS FOR FOLDING, GLUING AND SEALING THE FLAPS OF THE BOX. THE DEPENDING CLAIMS ADD VARIOUS ELEMENTS WITH RESPECT TO RESPECTIVE ONES OF THE AFOREMENTIONED COMPONENTS OF THE PARENT CLAIM.

IT IS SUBMITTED THAT THESE NEWLY ADDED CLAIMS ARE PATENTABLE FOR ESSENTIALLY THE SAME REASONS AS CLAIM 1 AND THEIR ALLOWANCE IS SOLICITED.

Respectfully submitted,

Frank W. Kotzur et al.

By 

R. J. Lasker, Esq. 22785

Attorney for Applicants

Suite 900

1199 N. Fairfax Street

Alexandria, Va, 22314

(703) 739-4900

30183AMD

AMENDMENT

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CLAIM AMENDMENT

1. (Currently Amended) A machine for winding and boxing wound coils of
filamentary material having a payout hole extending from the outer to the inner coil
winding, comprising:

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- a. a turret mechanism mounting two oppositely disposed end forms and
corresponding collapsible mandrels and operative between first and second
stations, wherein said first station enables filamentary material to be wound
on one of said mandrels and associated end form and a second station
wherein the mandrel and end form containing the wound coil is rotated to
confront a boxing station;
- b. a boxing station including a platform having a movable back panel, a base
panel and an inclined ramp facing said second station and being movable
towards and away from said second station for receiving the wound coil
from the collapsible mandrel containing the wound coil;
- c. said boxing station receiving an unfolded container [[box]] deposited on
said base panel with a [[box]] back panel of the container folded against said
back panel and including means for folding two opposite side panels of the
box to enable reception of the wound coil in the partially assembled box;
- d. payout tube inserting means for inserting a payout tube in the payout hole of
the wound coil through a payout hole in the top panel of the box and

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- e. including means for grasping the free end of the wound coil and withdrawing it through the payout tube; and
- f. said boxing station further including means for folding, gluing and sealing the flaps of the [[box]] container.

2. (New) A machine for boxing wound coils of filamentary material and having a payout hole extending from the outer to the inner coil winding, comprising:

a coil arm station having movable rails for transporting the wound coil and including a coil arm having a payout hole spreader mounted thereon for engaging the free end of the wound coil and supporting the wound coil;

a packaging stage table for receiving an unfolded box and the wound coil and for folding the flaps of the box around the wound coil;

means for storing payout tubes and inserting a payout tube in the payout hole of the wound coil;

means for grabbing the free end of the wound coil and withdrawing it through the payout tube; and

means for folding, gluing and sealing the flaps of the box.

3. (New) A machine according to claim 2, wherein the coil arm station comprises a cradle adapted to receive a wound coil and movable to position the wound coil over the coil arm for engagement with the payout hole spreader.

4. (New) A machine according to claim 3, wherein the hole spreader comprises a bifurcated upstanding post inserted within the radial hole of said wound coil and including an

aperture for engaging the free end of said wound coil so the free end extends exposed between the bifurcated post.

5. (New) A machine according to claim 4, wherein the coil arm is automatically driven into the packaging stage table after the wound coil is mounted over the payout hole spreader.

6. (New) A machine according to claim 2, wherein the means for storing payout tubes includes a collator for properly orienting the tubes to be retained in a tube holder.

7. (New) A machine according to claim 6, wherein the means for inserting payout tubes is movable to be positioned over the radial payout hole of a wound coil mounted on the coil arm and a flap of the box including an opening for receiving the payout tube and includes means for grabbing a payout tube from said tube holder and inserting said payout tube into said opening and said radial payout hole.

8. (New) A machine according to claim 7, wherein said means for grabbing includes a wire grabber for grabbing the inner end of the wound coil extending between the hole spreader and extracting the inner end of the wound coil through the payout tube.

9. (New) A machine according to claim 2, wherein the means for folding successively folds individual flaps of the box to enclose the wound coil and further includes means for applying glue to selected portions of said flaps.